

full swing and prospects for the new crop have improved considerably as a result of rains which fell during last month throughout the Chaco and Corrientes.

Brazil, October 28.—In Bahia, Consul Howard Donovan reports a state-wide drought, affecting business unfavorably.

Chile, October 27.—The condition of agriculture still appears satisfactory, although the continuance of inclement weather is causing farmers to fear a recurrence of the wheat rust experienced last year. * * *

Costa Rica, October 27.—* * * The central plateau has experienced heavy seasonal rains during October, which have obstructed communication with the rural districts. * * *

Colombia, October 28.—* * * Heavy rains in the interior of the country are keeping the Magdalena River in excellent condition, so that cargo movement from the coast inland is uninterrupted.

Haiti, October 26.—Adverse weather conditions in Haiti continue to interfere with the normal movement of the coffee crop. * * *

Porto Rico, October 28.—Unfavorable weather has killed plants in the tobacco seed beds in several parts of the island, necessitating a resowing, which will delay planting several weeks in those regions.

Uruguay, October 28.—Sheep shearing has been retarded by the rains throughout the country during the first fortnight of October. * * *

METEOROLOGICAL SUMMARY FOR SOUTHERN SOUTH AMERICA, SEPTEMBER, 1927

By J. BUSTOS NAVARRETE, Director

[Observatorio del Saito, Santiago, Chile]

In September, 1927, the atmospheric circulation showed unusual activity and as a result the month was generally a period of unsettled, rainy weather.

The most important periods of fair weather under anticyclonic conditions were the following: 3d-4th, 8th-9th, 14th-18th, and 25th-28th.

BIBLIOGRAPHY

C. FITZHUGH TALMAN, in Charge of Library

RECENT ADDITIONS

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Caterpillar tractor co., comp.

Snow removal, 1928 edition. n. p. c1927. 66 p. illus. 23 cm.

Dorno, C.

Das Klima der Schatzalp. Bearbeitet nach 16 jährigem lückenlos zusammengetragenen Material. Berlin. 1927. p. 724-737. 25 cm. (Beitr. zur Klinik der Tuberkulose, Bd. 66, H. 6.)

Eredia, F.

Un nuovo tipo di anemometro. Pisa. 1927. 7 p. illus. 23 cm. (Estr.: L'Aerotecnica, Giorn. ed Atti dell'ass. ital. di aerotec., anno 7, n. 3, 1927.)

Fletcher, Edgar H.

Climatic features of Yellowstone national park. p. 329-336. figs. 25½ cm. (Repr.: Sci. mo., v. 25, Oct., 1927.)

Gutiérrez Lanza, M.

Genesis y evolucion del huracan del 20 de octubre de 1926 y catalogo de ciclones en la Isla de Cuba 1865-1926. Habana. 1927. 51 p. plates. 24 cm. (Anales Acad. de cienc. med., fis. y nat. de la Habana.)

The depressions bringing the most marked periods of unsettled weather and rain were those charted during the following intervals: 2d-3d, 5th-7th, 9th-11th, 12th-14th, 17th-20th, 21st-22d, and 23d-25th.

The region receiving rainfall extended from Coquimbo to Magellanes. There was marked excess in precipitation in all of the central region of Chile.—Translated by W. W. Reed.

METEOROLOGICAL SUMMARY FOR BRAZIL, SEPTEMBER, 1927

By J. DE SAMPAIO FERRAZ, Director

[Diretoria de Meteorologia, Rio de Janeiro]

A smaller number of anticyclones crossed the continent in this month, but depressions were more active. Weather was generally unsettled in the south and center of the country, and several gales were registered in the south.

The first "high" appeared on the 8th. Before this, depressions held the sway with a strong gale on the 7th, from the Plata River northwards. The second anticyclone moved over the continent from the 13th to the 19th. On the 20th low pressures dominated again with strong gale in Argentine's coast.

The month closed with a third anticyclone which followed the usual northeast track.

Some late frosts were registered in the south doing some damage to vegetables. Crops generally, well throughout the country.

Rainfall was scarce in the north and center of the country. In the south precipitations were irregular, but on the average above the normals for the month.

Rio's weather ran unsettled in the first 20 days, improving after. Pressure and temperature almost normal. In the first decade winds were abnormally high, specially on the 2d, when Rio was struck by a fairly severe gale. Strong winds were felt again on the 27th.

Johansson, Osc. V.

Meteorologiska och geofysiska data för Sodankylä. Helsingfors. 1917. 87 p. 24½ cm. (Öfver. Finska vetenskaps-soc. förhandl. Bd. 59, 1916-1917. Afd. A. N:o 8.)

La Cour, D.

Sur l'erreur moyenne des moyennes mensuelles des éléments magnétiques observées à l'Observatoire de Rude Skov. København. 1927. 33 p. figs. 25 cm. (Pub. Danske met. inst. Comm. mag.) Olsen, Johannes. Direct determination of scale values at the magnetic observatory at Godhavn. 7 p. [Bd. with above.]

Mexico. Servicio meteorológico.

Atlas climatológico de la Republica Mexicana. Periodo de 1921 a 1925. n. p. n. d. unp. maps. 29 cm.

Oldekop, E.

1. Du déficit hygrométrique et des méthodes pour son évaluation. 2. Tables pour l'évaluation du déficit hygrométrique. Tashkent. 1917. 83 p. 26½ cm. (Serv. hydromét. au Turkestan. Agr. improv. sec. no. 82.) [Author, title, and text in Russian. Résumé in French.]

Essai de construction d'un nouveau abri thermométrique simplifié. Tashkent. 1916. 9 p. plate (fold.). 26½ cm. (Serv. hydromét. au Turkestan. no. 81.) [Author, title, and text in Russian.]

Relation entre le régime de la rivière Tchirchik et les éléments météorologiques. Tashkent. 1918. 83 p. plates (fold.). 25½ cm. (Serv. hydromét. au Turkestan. Trav. du bur. mét. no. 89.) [Author, title, and text in Russian. Résumé in French.]

Pollak-Dittrich, Johanna.

Der Wind. 20 p. plate. 22½ cm. (Sammlung Gemeinnütziger Vorträge. Prag. Nr. 576, Feb., 1927.)

Price, Weston A.

Relation of light to life and health. 18 p. illus. 24 cm. (Repr.: Indust. & engin. chem., v. 18, July, 1926.)

Simpson, G. C.

Past climates. p. 213-232. figs. 25 cm. (Quart. journ. Roy. met. soc., v. 53, July, 1927.)

Sorensen, Royal W., & others.

Lightning protection for oil storage tanks and reservoirs. p. 859-868. illus. 30½ cm. (Jour. Amer. inst. elec. engin., v. 46, no. 9, Sept., 1927.)

Theaman, John R.

Precipitation and temperature of Cuba, W. I. Indianapolis. 1927. 5 p. tables. maps. 28½ cm. (Climatological paper no. 34.) [Typewritten.]

RECENT PAPERS BEARING ON METEOROLOGY

The following titles have been selected from the contents of the periodicals and serials recently received in the library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

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Hannemann, Max. Temperatur- und Windverhältnisse im Küstengebiet von Texas unter besonderer Berücksichtigung der "Northerns." p. 170-177. (Juni.)

Pummerer, Paul M. Zur Klimatologie der Flugstrecke Kiel-Fleensburg. p. 183-186. (Juni.)

Wiese, W. Zur Frage des Transportes von Temperaturanomalien durch Meeresströmungen. p. 197-198. (Juni.)

Seilkopf, Heinrich. Flugmeteorologische Ergebnisse der Ozean-Studienfahrten der Deutschen Seewarte. p. 177-182. (Juni.); p. 211-215. (Juli.)

Ahlgrimm, Fr. Wolkenmessungen mit einem Dunkelkammergerät. p. 201-206. (Juli.)

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John, Hermann. Wickeltrommeln für Drachenwinden. p. 206-211. (Juli.); p. 260-266. (August.)

Beobachtungen über die Veränderungen der Umrisse eines Dampfers in einer Nebelbank. p. 270. (August.)

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Kuhlbrot, E. Die Deutsche Atlantische Expedition auf dem Vermessungs- und Forschungsschiff "Meteor." p. 245-248. (August.)

Wiese, W. Über mittlere monatliche Luftdruckanomalien. p. 249-263. (August.)

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Rouch, J. La haute atmosphère dans l'Antarctique. p. 467-469.

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Aitken, R. G. The green flash at Mount Hamilton. p. 323-324.

Stebbins, Joel. The green flash at Mount Hamilton. p. 323.

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Wigand, A., & Kircher, H. Schnellwirkende luftelektrische Kollektoren. p. 379-385. (3. Heft.)

Störmer, Carl. Bemerkungen zu der Arbeit A. Röstdads über Nordlichterscheinungen in niedrigeren Breiten. p. 433. (4. Heft.)

Beiträge zur Physik der freien Atmosphäre. Leipzig. Band 13. Heft 3. 1927.

Kopp, Walther. Aerologie einiger Wolkenformen und Wellensysteme in der Atmosphäre. p. 198-217.

Loewe, F. Strahlungs- und Temperaturmessungen an der Lötschenlücke im August 1926. p. 183-197.

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